

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAPPLICANT: LEONID B. GLEBOV
FOR: SENSITIZATION OF PHOTO-THERMAL-REFRACTIVE GLASS TO VISIBLE RADIATION BY
TWO-STEP ILLUMINATIONLIST OF ART CITED BY APPLICANTU.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	NAME	DATE	CLASS	SUBCLASS
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AA	4,541,694	Sullivan, et al.	09/17/1985	350	371
AB	5,098,803	Monroe, et al.	03/24/1992	430	1
AC	5,339,305	Curtis, et al.	08/16/1994	369	112

PATENT APPLICATION PUBLICATIONS

NONE

FOREIGN ART

FA	JP03-081718	Morinaka, et al.	04/08/1991
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

OA	(1979) A.P. Gararin, L.B. Glebov, O.M. Efimov, O.S. Efimova. Formation of color centers in sodium calcium silicate glasses with the nonlinear absorption of powerful UV radiation. Sov. J. Glass Phys. Chem. 5, Pages 337-340.
OB	(08/1988) IBM Tech. Discl. Bull., Vol 31(3), pp. 18-23.
OC	(1996) P. Hariharan. Optical Holography. Principles, techniques, and applications. Chapter 7: "Practical recording materials," 95-124. Cambridge University Press, Pages 95-97.
OD	(1997) A.V. Dotsenko, L.B. Glebov, V.A. Tsekhomsky, Physics and Chemistry of Photochromic Glasses. CRC Press, Boca Raton, NY., Pages 9-11
OE	(1999) Efimov, et al. "Laser-induced Damage of Photo-Thermo-Refractive Glasses for Optical-Holographic-Element Writing", SPIE Vol. 3578, pp. 564-575
OF	(1999) O.M. Efimov, L.B. Glebov, S. Grantham, M. Richardson. Photoionization of silicate glasses exposed to IR femtosecond pulses. Journal of Non-Crystalline Solids, 253. 58-67.
OG	(2002) O.M. Efimov, L.B. Glebov, H.P. Andre. Measurement of the induced refractive index in a photothermorefractive glass by a liquid-cell shearing interferometer. Appl. Optics, 41. 1864-1871

Handwritten signature and date 2/12/06

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAPPLICANT: *Glebov* EFIMOV, ET AL.

FOR: HIGH EFFICIENCY BRAGG GRATINGS IN PHOTO-THERMO-REFRACTIVE GLASS

LIST OF ART CITED BY APPLICANT

Page 2 of 2

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- W* OA5 *W* Polychromic glasses – A New Material for Recording Volume Phase Holograms, Glebov, Nikonorov, Panysheva, Petrovskii, Savvin, Tunimanova and Tsekhomskii, Sov. Phys. Dokl, Vol. 35, No. 10, October 1990, pp. 878 – 880.
- W* OA6 *W* New Ways to Use Photosensitive Glasses for Recording Volume Phase Holograms, Glebov, Nikonorov, Panysheva, Petrovskii, Savvin, Tunimanova, and Tsekhomskii, Opt. Spectrosc., Vol. 73, No. 2, August 1992, pp. 237 – 241.
- W* OA7 *W* Photo-Induced Processes in Photo-Thermo-Refractive Glasses, Glebov, Glebova, Richardson and Smirnov, XVII International Congress on Glass, San Francisco, CA, July 5 – 10, 1998.
- W* OA8 *W* High-Efficiency Bragg Gratings in Photothermorefractive Glass, Efimov, Glebov, Glebova, Richardson and Smirnov, Applied Optics, Vol. 38, No. 4, February 1999, pp. 619 – 627.
- W* OA9 *W* Photo-Thermo-Refractive Glasses for High-Efficiency Bragg Gratings in UV, Visible, and IR Regions, Efimov, Francois-Saint-Cyr, Glebov, Glebova, Richardson and Smirnov.

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Notic of Referenc s Cited	Application/Control No. 09/750,708 <i>10/665339</i>	Applicant(s)/Patent Under R examination EFIMOV ET AL. <i>Gleb</i>	
	Examiner Martin J Angebrannndt	Art Unit 1756	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-4541694	09-1985	Sullivan et al.	350/371
	B	US-5098803	03-1992	Monroe et al.	430/1
	C	US-5339305	08-1994	Curtis et al.	369/442
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	03-081718	04-1991	Japan	Morinaka et al.	
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	IBM Tech. Disc. Bull., Vol 31(3) pp. 18-21 (08/1988)
	V	EFIMOV, et al. "Laser-Induced Damage of Photo-Thermo-Refractive Glasses for Optical-Holographic-Element Writing", Proc. SPIE Vol. 3578, pp. 564-575 (1999)
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.